1	2
Orissa	303
Rajasthan	388
Uttar Pradesh/Uttaranchal	440
Andhra Pradesh	154
Karnataka	213
Kerala	95
Tamil Nadu	111
Gujarat	160
Haryana	186
Maharashtra	130
Punjab	192
West Bengal	141
Others	206

(Source: RGI, (SRS) 2004 – 06)

Statement-IV

Comparative IMR and MMR of some Neighbouring and Western countries

Neighbouring countries	IMR	MMR	Western countries	IMR	MMR
Afghanistan	165	1800	Ireland	4	1
Nepal	43	330	Germany	4	4
Bangladesh	47	570	United kingdom	5	8
Bhutan	56	440	France	4	8
Pakistan	73	320	United State of America	7	11
Sri Lanka	17	58	Russian Federation	13	28

Source – State of the World's Children 2009

New cholera vaccine

3106. SHRI M.V. MYSURA REDDY:
SHRI NANDAMURI HARIKRISHNA:

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether it is a fact that a new oral cholera vaccine has been developed by

Vietnamese firm VaBiotech and International Vaccine Institute and the technology for production has been transferred to a firm in Hyderabad;

(b) if so, the details of the invention and how the new vaccine helps in curbing cholera which is still an endemic disease in some States of the country; and

(c) what steps the National Institute of Cholera and Enteric Diseases is taking to procure this vaccine for use in the country?

THE MINISTER OF HEALTH AND FAMILY WELFARE (SHRI GHULAM NABI AZAD) : (a) and (b) Yes. The vaccine has been used in Vietnam's public health sector in high risk cholera areas and more than 9 million doses have been administered. However, an analysis of the Vietnamese vaccine showed that to comply with WHO guidelines, the vaccine needs to be reformulated and its production technology modified. The International Vaccine Institute, Seoul, Korea worked with the Vietnamese producer, VABIOTECH, to develop an oral, killed Bivalent whole cell based cholera vaccine that meets quality standards and transferred the production technology to Shantha Biotechnics Ltd. of India. In India, National Institute of Cholera and Enteric Diseases (NICED) has conducted trial with modified vaccine in 2006. The vaccine shows protective efficacy of 67% and no decline for further 2 years.

(c) The NICED, Kolkata is not procuring the vaccine in the country. Shantha Biotechnics Ltd. Hyderabad, has been given the license in February, 2009 by Drugs Controller General (India) to produce the vaccine.

Deaths due to vaccination to children

3107. SHRI M.V. MYSURA REDDY:
SHRI NANDAMURI HARIKRISHNA:

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether it is a fact that after administration of measles vaccine, four children died in Tamil Nadu;

(b) whether such kind of incidents have also reported from other States;

(c) whether it is also a fact that the vaccine is manufactured by a unit owned by the National Dairy Development Board;

(d) whether the unit has got the expertise and technological know-how to manufacture such an important vaccine;

(e) whether any complaint received from the other dozes which are to the extent of 45 lakh, supplied to other parts of the country; and

(f) if so, the details thereof?

THE MINISTER OF HEALTH AND FAMILY WELFARE (SHRI GHULAM NABI AZAD) : (a) Yes. Four deaths of infants were reported following administration of measles vaccine in Tamil Nadu on 23rd April, 2008.